



SEQUENCE LISTING

RECEIVED

134-0574-1002900

<110> Tsichlis, Philip

Grimes, Leighton III H

Zweidler-McKay, Patrick

<120> NUCLEIC ACID MOLECULE FOR ENHANCING GENE EXPRESSION

<130> FCCC96-11

<140> US 09/202,549

<141> 1999-10-12

<150> PCT/US97/10486

<151> 1997-06-17

<150> US 60/019,808

<151> 1996-06-17

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Gfi-1 binding sequence

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<221> misc_feature

<222> (1)..(1)

<223> "n" is any nucleotide

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<223> "n" is any nucleotide

<400> 1
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<223> Gfi-1 binding sequence

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<222> (9)..(9)

<223> "n" is "t" or "a"

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taaatacacng ca

12

<210> 3

<211> 12

<212> DNA

<213> Artificial Sequence

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<223> An expression regulatory DNA segment

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<222> (3)..(3)

<223> "n" is any nucleotide

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<222> (4)..(5)

<223> "n" is "g" "c" or "t", or is absent, or is an oligonucleotide of two or more nucleotides

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<222> (6)..(6)

<223> "n" is "a" "g" or "c", or is absent, or is an oligonucleotide of two or more nucleotides

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<223> "n" is "a" "g" or "c", or is absent, or is an oligonucleotide of two or more nucleotides

<400> 3
nannnnacng ca

12

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<212> DNA

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<222> (2)..(2)

<223> "n" is "a" or "c"

<220>

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<222> (7)..(7)

<223> "n" is "inosine" or "c"

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<222> (15)..(15)

<223> "n" is "a" or "t"

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anaaaanaaa tcacngcata tgcc

24

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<400> 5
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<211> 33

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<212> DNA

<213> Artificial Sequence

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<223> Gfi-1 binding oligonucleotide

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24

<210> 8

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<212> DNA

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<212> DNA

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<212> DNA

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<223> Gfi-1 binding oligonucleotide

<400> 10

caccacataa atcaatgcct atcc

24

<210> 11

<211> 24

<212> DNA

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<400> 11

caccacataa atcacttcct atcc

24

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ccatagtaac gccaataggg actttccatt gacgtcaatg ggtggagtat ttacggtaaa

120

ctgcccactt ggcagtagat caagtgtatc atatgccaaag taagccccct attgacgtca

180

atgacggtaa atggcccgcc tggcattatg cccagtacat gaccttatgg gactttccta	240
cttggcagta catctacgta ttagtcacg ctattaccat ggtgatgcgg ttttggcagt	300
acatcaatgg gcgtggatag cggtttgact cacggggatt tccaagtctc caccgccattg	360
acgtcaatgg gagtttgttt tggcaccaaa atcaacggga ctttccaaaa tgtcgtaaca	420
actccgcccc attgacgcaa atgggcggtg ggcgtgtacg gtgggaggtc tatataagca	480
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<210> 13

<211> 500

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<223> Gfi-1 binding sequence

<400> 13

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ctgcccactt ggcagtacat caagtgtatc atatgccaa gtagccccct attgacgtca	180
atgacggtaa atggcccgcc tggcattatg cccagtacat gaccttatgg gactttccta	240
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acgtcaatgg gagtttgttt tggcaccaaa ctcaacggga ctttccaaaa tgtcgtaaca	420
actccgcccc attgacgcaa atgggcggtg ggcgtgtacg gtgggaggtc tatataagca	480
gagctcgttt agtgaaccgt	500

<210> 14

<211> 500

<212> DNA

<213> Artificial Sequence

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<223> Gfi-1 binding sequence

<400> 14

gcccgcctgg ctgaccgccc aacgaccccc cgggattgac gtcaataatg acgtatgttc	60
ccatagtaac gccaataggg actttccatt gacgtcaatg ggtggagtat ttacggtaaa	120
ctgcccactt ggcagtacat caagtgtatc atatgccaag tacgccccct attgacgtca	180
atgacggtaa atggcccgcc tggcattatg ccagttacat gaccttatgg gactttccta	240
cttggcagta catctacgta ttagtcatcg ctattaccat ggtgatgcgg ttttggcagt	300
acatcaatgg gcgtggatag cggtttgact cacgggactt tccaagtctc caccaccattg	360
acgtcaatgg gagtttgttt tggcaccaaa actaacggga ctttcacaaa tgcgtaaca	420
actccgcccc attgacgcaa atgggcggta ggcgtgtacg gtgggaggtc tatataagca	480
gagctcgttt agtgaaccgt	500